

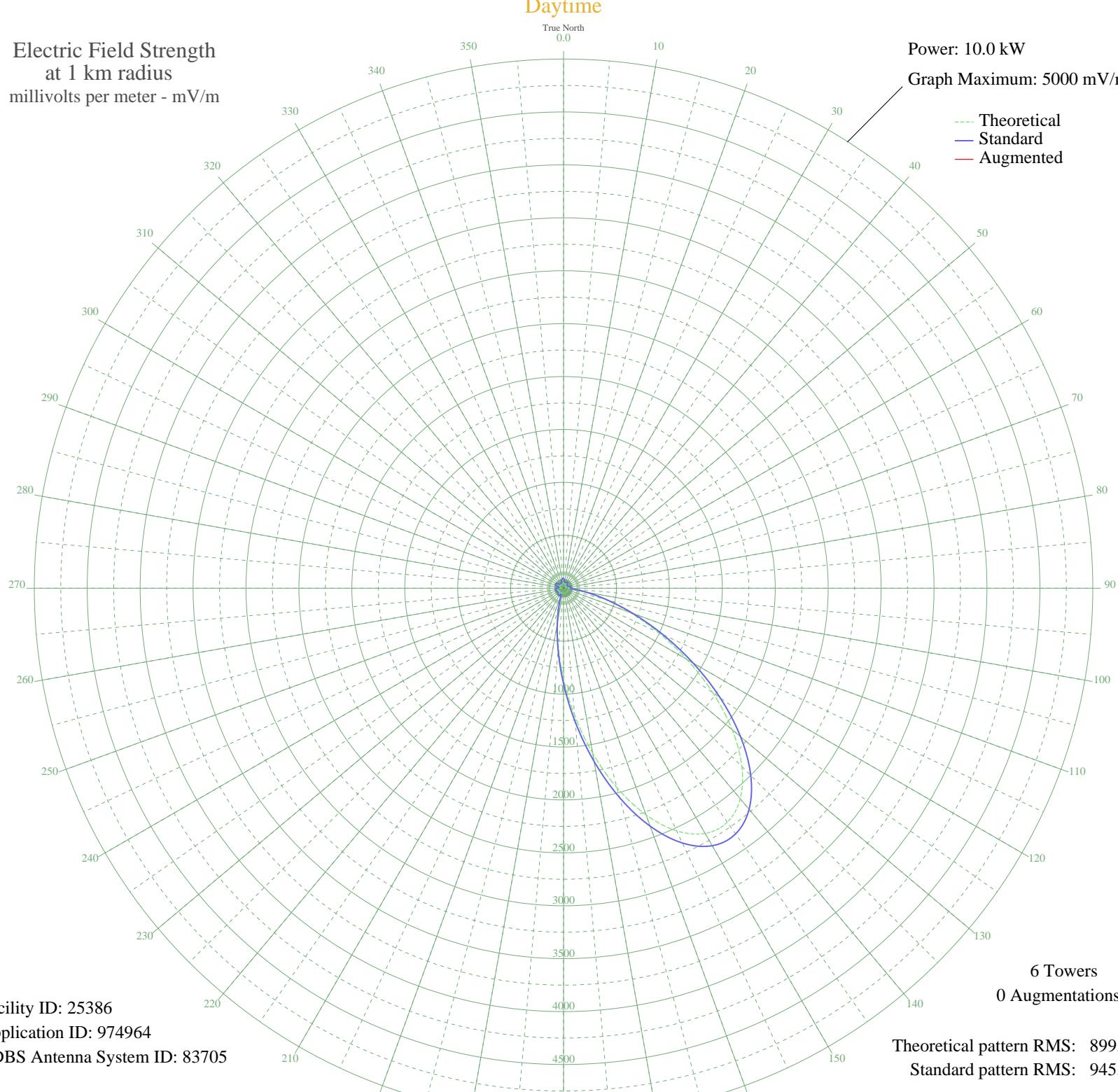
# WXJO SMYRNA, GA BMJP-20040130AEN 1120 kHz

Daytime

Electric Field Strength  
at 1 km radius  
millivolts per meter - mV/m

Power: 10.0 kW  
Graph Maximum: 5000 mV/m

Theoretical  
Standard  
Augmented



Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	82.04	92.32	
5	68.54	79.26	
10	50.22	62.31	
15	37.85	51.79	
20	40.95	54.32	
25	50.50	62.56	
30	55.70	67.25	
35	53.39	65.16	
40	44.54	57.35	
45	32.39	47.53	
50	21.69	40.27	
55	17.48	37.94	
60	19.58	39.05	
65	25.45	42.62	
70	36.12	50.41	
75	49.91	62.04	
80	60.39	71.58	
85	59.36	70.62	
90	49.38	61.57	
95	90.60	100.76	
100	213.20	226.31	
105	405.64	427.22	
110	665.36	699.42	
115	984.38	1034.13	
120	1345.31	1412.97	
125	1721.44	1807.81	
130	2079.10	2183.31	
135	2382.05	2501.38	
140	2596.91	2726.96	
145	2698.71	2833.84	
150	2675.28	2809.24	
155	2529.45	2656.12	
160	2278.49	2392.65	
165	1951.07	2048.89	
170	1582.23	1661.67	
175	1207.76	1268.58	

The theoretical pattern is used to create the standard pattern. Augmentations (if any) expand the standard pattern in specified directions. See Sections 73.150 and 73.152 of the FCC's Rules.

AM coverage may not mirror the pattern shown here. Additional factors such as ground conductivity or skywave propagation affect how far the AM signal will travel.

Patterns for stations outside the USA are based on notified parameters.

AM directional patterns created before 1982 used units of 1 mV/m at 1 mile, not one kilometer. The pattern values on such plots at 1 mile will be 0.62137 of the values listed here. Measured pattern values may vary from values shown here.

Plot is best printed on 11" by 17" or larger paper.

15 Nov 2005

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	859.06	902.62	
185	559.42	588.33	
190	322.45	340.19	
195	153.03	164.08	
200	56.15	67.66	
205	53.12	64.91	
210	70.27	80.91	
215	72.26	82.82	
220	66.01	76.86	
225	59.26	70.53	
230	55.20	66.80	
235	53.28	65.06	
240	53.09	64.88	
245	55.64	67.20	
250	60.95	72.10	
255	66.32	77.14	
260	67.70	78.46	
265	61.90	72.98	
270	47.88	60.24	
275	28.56	44.74	
280	21.93	40.40	
285	42.01	55.21	
290	63.39	74.38	
295	76.11	86.54	
300	76.89	87.30	
305	66.45	77.27	
310	49.84	61.98	
315	36.82	50.96	
320	35.56	49.97	
325	38.31	52.16	
330	35.96	50.28	
335	31.95	47.20	
340	39.90	53.46	
345	58.81	70.11	
350	76.43	86.85	
355	85.12	95.35	